



#6

SEQUENCE LISTING

<110> Handfield, Martin
Brady, Jeannine
Progulske-Fox, Ann
Hillman, Jeffrey D.

<120> Microbial Polynucleotides Expressed During Infection of
a Host

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<151> 1999-08-06

<150> PCT/US00/21340
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<170> PatentIn Ver. 2.1

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 35 40 45
 Leu Gly Ile Gln Gly Phe Leu Ser Gly Leu Phe Thr Phe Val Leu Arg
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Val Leu Asn Gly Asp Val Leu Gln Leu Asn Gly Ser His Ser Trp Phe
35 40 45

Val Ala Asp Ala Ser Glu Asp Leu Thr Gln Leu Gln Gln Arg Leu Ala
50 55 60

Gln Arg Asp Ile Leu Leu Thr Ala Pro Leu Ile Gly Glu Glu Asp Lys
65 70 75 80

Ser Ala Val Asp Phe Glu Asn Glu Ile Phe Val Ala His Gln Ala Leu
85 90 95

Phe His Leu Met Arg Gln Glu Arg Val Lys Ala Ala Arg Arg Pro Ile
100 105 110

Leu Met Gln Ala Gln Gln Phe Gln Trp Gln Phe Glu Pro Asn Gly Leu
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Arg Leu Lys Phe Tyr Leu Pro Ala Gly Ser Tyr Ala Thr Ala Leu Val
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Arg Glu Leu Val Asn Val Glu Asn
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<223> Xaa stands for any amino acid.

<400> 18

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Asn | Ile | Leu | Leu | Ser | Asn | Asp | Asp | Gly | Ile | His | Ala | Pro | Gly | Ile |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Val | Met | Arg | Thr | Leu | Arg | Lys | Ile | Ala | Asn | Val | Thr | Ile | Val | Ala |
| | | | 20 | | | | | 25 | | | | | 30 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Asp | Ser | Asn | Arg | Lys | Arg | Arg | Leu | Gln | Xaa | Leu | Asn | Leu | Gly | Glu |
| | | 35 | | | | | 40 | | | | | 45 | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Xaa | Val | Phe | Arg | Ser | Phe | Gly | Lys | Ala | Xaa | Ile | Ile | Ala | Ser | Thr |
| | 50 | | | | | 55 | | | | | 60 | | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Xaa | Pro | Ala | Xaa | Cys | Val | His | Ile | Ala | Leu | Thr | Gly | Phe | Leu | Ser |
| 65 | | | | | 70 | | | | | 75 | | | | | 80 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Arg | Ile | Asp | Leu | Val | Ile | Ser | Gly | Ile | Asn | Ala | Gly | Ala | Asn | Leu |
| | | | | 85 | | | | | 90 | | | | | 95 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Asp | Asp | Val | Leu | Tyr | Ser | Gly | Thr | Val | Ala | Ala | Ala | Phe | Glu | Gly |
| | | | 100 | | | | | 105 | | | | | 110 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | His | Leu | Gly | Leu | Pro | Ser | Ile | Ala | Val | Ser | Leu | Asp | Gly | Arg | Gln |
| | | 115 | | | | | 120 | | | | | 125 | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Phe | Glu | Thr | Ala | Ala | Arg | Val | Val | Cys | Asp | Leu | Val | Pro | Lys | Leu |
| | 130 | | | | | 135 | | | | | 140 | | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Ala | Gln | Leu | Leu | Gly | Lys | His | Glu | Ile | Leu | Asn | Ile | Asn | Val | Pro |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Val | Pro | Tyr | Glu | Glu | Leu | Lys | Gly | Ile | Lys | Val | Cys | His | Leu | Gly |
| | | | 165 | | | | | | 170 | | | | | 175 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Tyr | Arg | Ser | Ser | Ala | Ser | Glu | Val | Ile | Lys | Gln | Gln | Ser | Pro | Arg | Gly |
| | | | 180 | | | | | 185 | | | | | | 190 | |

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| Glu | Asp | Met | Tyr | Trp | Ile |
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 Val Phe Ile Asn Arg Leu Lys Ala Lys Met Lys Leu Gln Thr Asp Pro
 35 40 45
 Thr Val Ile Tyr Gly Met Gly Asp Asp Tyr Asn Gly Asn Ile Arg Lys
 50 55 60
 Lys Asp Leu Glu Thr Pro Thr Pro Tyr Asn Thr Tyr Val Ile Asp Gly
 65 70 75 80
 Leu Pro Pro Thr Pro Ile Ala Met Pro Ser Glu Glu Ala Leu Gln Ala
 85 90 95
 Val Ala His Pro Ala Gln Thr Ala Phe Tyr Tyr Phe Val Ala Asp Gly
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 Thr Gly Gly His Lys Phe Ser Arg Asn Leu Asn Glu His Asn Lys Ala
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 20 25 30
 Gly Glu Val Ile Ser Thr Arg Glu Pro Gly Gly Thr Pro Val Gly Gly
 35 40 45
 Lys Ala Thr Pro Ser His
 50